

16/784916

SEARLE

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FACSIMILE COVER SHEET

*Parent
from Application # 08/110,912*

DATE:

August 5, 1994

TO:

Examiner J. Conrad
Art Unit 1204

COMPANY:

United States Patent & Trademark Office

FAX NUMBER:

703-308-4556

FROM:

FRANK UNGEMACH
PATENT ATTORNEY

TOTAL NUMBER OF PAGES (INCLUDING COVER SHEET): 8

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12M 8/8/94 (1/9)

PATENT

C-2704/1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF

M. L. Vazquez et al.

SERIAL NUMBER: 08/110,912

FILED: August 24, 1993

TITLE: CYCLIC SULFONE
CONTAINING RETROVIRAL
PROTEASE INHIBITOR

Group Art Unit: 1204

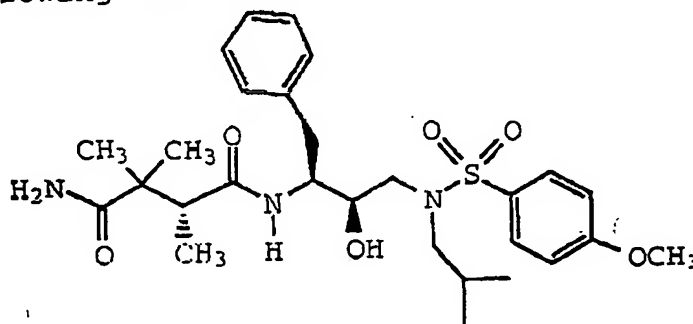
EXAMINER: J. Conrad

DATE: August 5, 1994

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MercerInformal CommunicationThe Commissioner of Patents and Trademarks
Washington, D.C. 20231

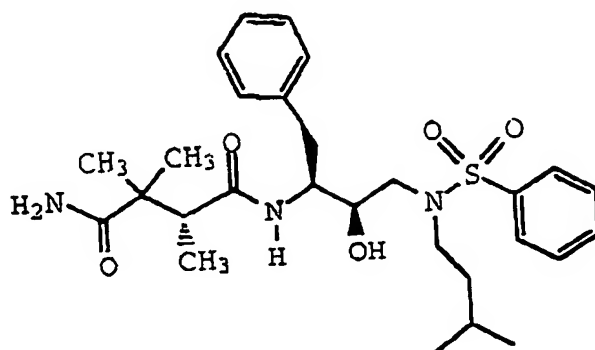
Dear Sir:

This communication confirms the Election of Species for the above-identified patent application communicated to the Examiner by telephone on August 4, 1994. The elected species has the following chemical structure:

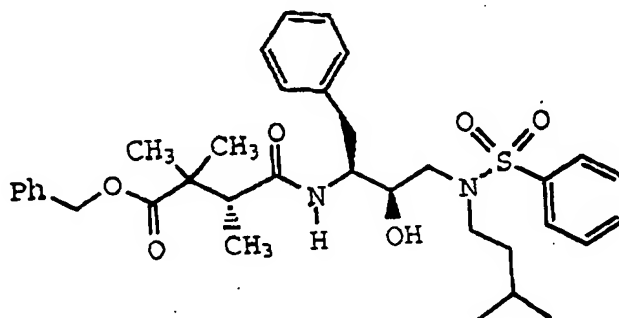


otherwise known as [1S-[1R*(S*), 2S*]]-N⁴-[2-hydroxy-3-[(2-methylpropyl)(4-methoxyphenylsulfonyl)amino-1-(phenylmethyl)propyl]-2,2,3-trimethyl-butanediamide, which is disclosed in Applicants' specification in Table 9, entry #6, page 66 and is claimed in Claim 173, page 98, lines 6-8.

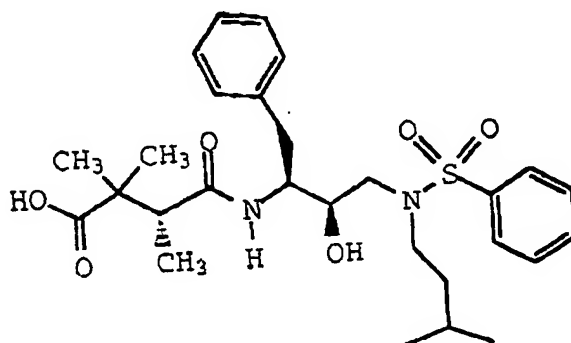
As requested, the following is the chemical structures corresponding to the claimed compounds in Claim 173:



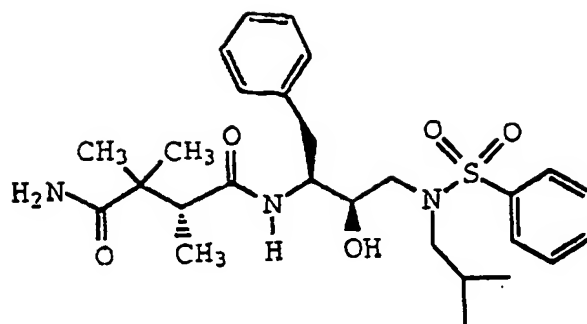
Butanediarnide, N⁴-[2-hydroxy-3-[(3-methylbutyl)(phenylsulfonyl)amino]-1-(phenylmethyl)propyl]-2,2,3-trimethyl-, [1S-[1R*(S*),2S*]]-



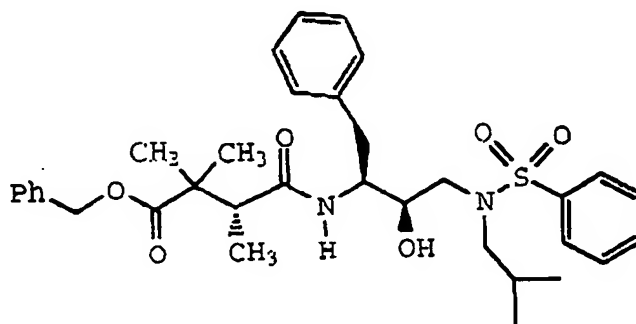
Butanoic acid, 4-[[2-hydroxy-3-[(3-methylbutyl)(phenylsulfonyl)amino]-1-(phenylmethyl)propyl]amino]-2,2,3-trimethyl-4-oxo, phenylmethyl ester, [1S-[1R*(S*),2S*]]-



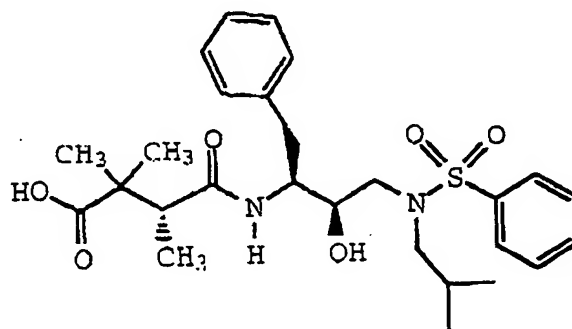
Butanoic acid, 4-[[2-hydroxy-3-[(3-methylbutyl)(phenylsulfonyl)amino]-1-(phenylmethyl)propyl]amino]-2,2,3-trimethyl-4-oxo-, [1S-[1R*(S*),2S*]]-



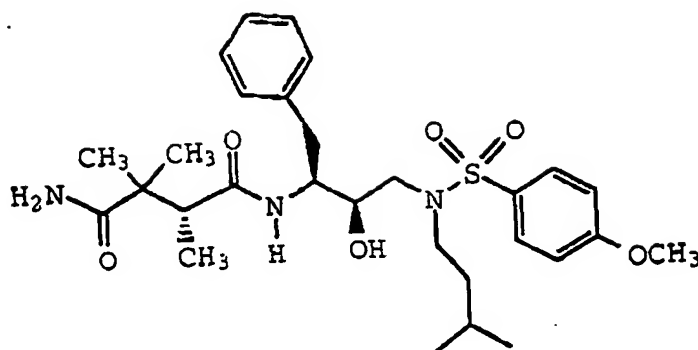
Butanediamide, N⁴-[2-hydroxy-3-[(2-methylpropyl)(phenylsulfonyl)amino]-1-(phenylmethyl)propyl]-2,2,3-trimethyl-, [1S-[1R*(S*),2S*]]-



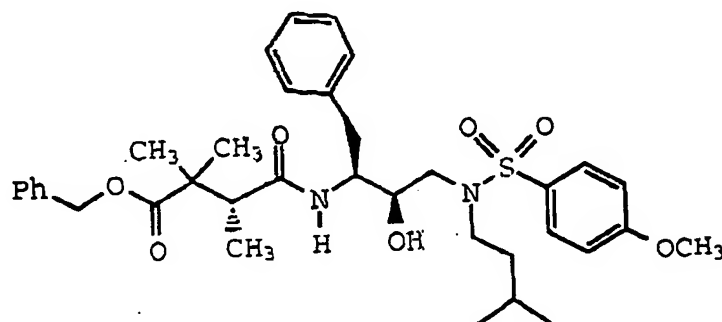
Butanoic acid, 4-[[2-hydroxy-3-[(2-methylpropyl)(phenylsulfonyl)amino]-1-(phenylmethyl)propyl]amino]-2,2,3-trimethyl-4-oxo, phenylmethyl ester, [1S-[1R*(S*),2S*]]-



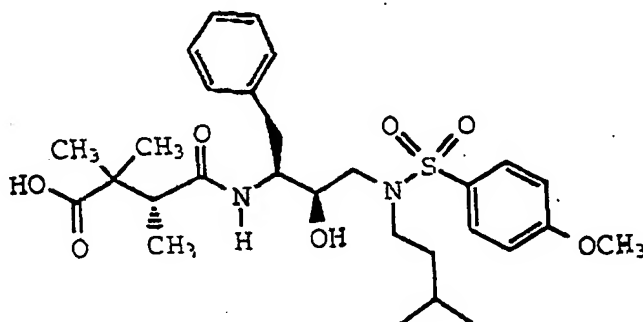
Butanoic acid, 4-[[2-hydroxy-3-[(2-methylpropyl)(phenylsulfonyl)amino]-1-(phenylmethyl)propyl]amino]-2,2,3-trimethyl-4-oxo-, [1S-[1R*(S*),2S*]]-



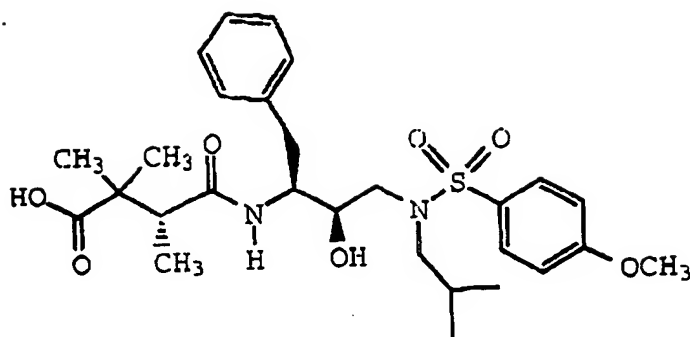
Butanediamide, N⁴-[2-hydroxy-3-[(3-methylbutyl)(4-methoxyphenylsulfonyl)amine]-1-(phenylmethyl)propyl]-2,2,3-trimethyl-, [1S-[1R*(S*),2S*]]-



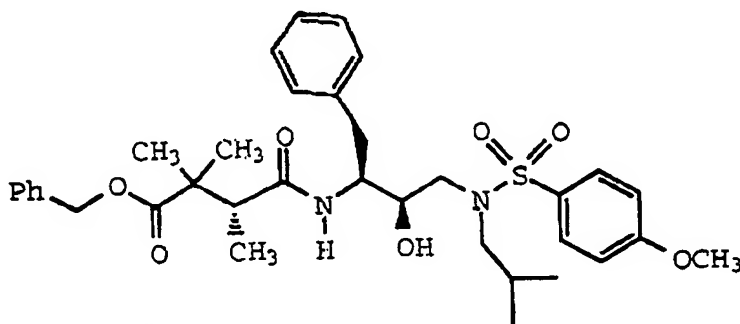
Butanoic acid, 4-[[2-hydroxy-3-[(3-methylbutyl)(4-methoxyphenylsulfonyl)amino]-1-(phenylmethyl)propyl]amino]-2,2,3-trimethyl-4-oxo, phenylmethyl ester, [1S-[1R*(S*),2S*]]-



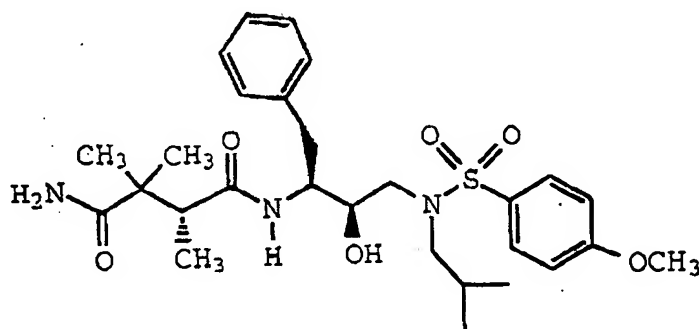
Butanoic acid, 4-[[2-hydroxy-3-[(3-methylbutyl)(4-methoxyphenylsulfonyl)amino]-1-(phenylmethyl)propyl]amino]-2,2,3-trimethyl-4-oxo-, [1S-[1R*(S*),2S*]]-



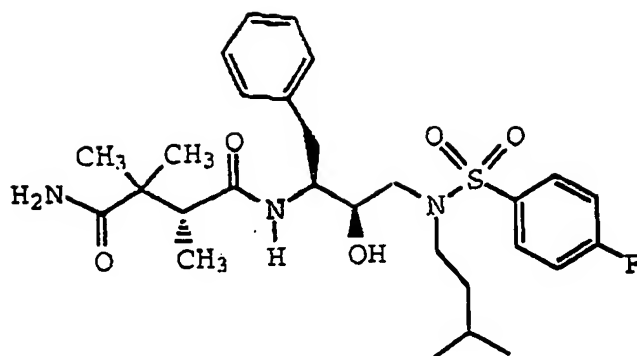
Butanoic acid, 4-([2-hydroxy-3-((2-methylpropyl)(4-methoxyphenyl)sulfonyl)amino]-1-(phenylmethyl)propyl)amino]-2,2,3-trimethyl-4-oxo-, [1S-[1R*(S*),2S*]]



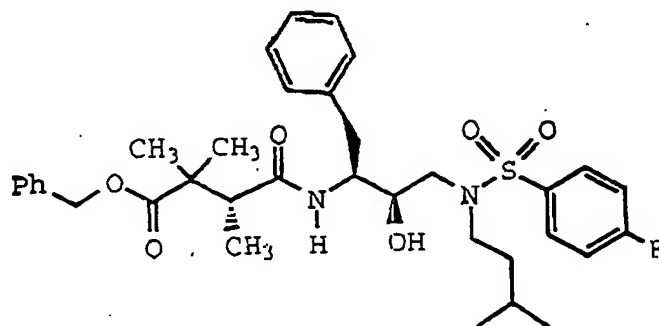
Butanoic acid, 4-([2-hydroxy-3-((2-methylpropyl)(4-methoxyphenyl)sulfonyl)amino]-1-(phenylmethyl)propyl)amino]-2,2,3-trimethyl-4-oxo, phenylmethyl ester, [1S-[1R*(S*),2S*]]-



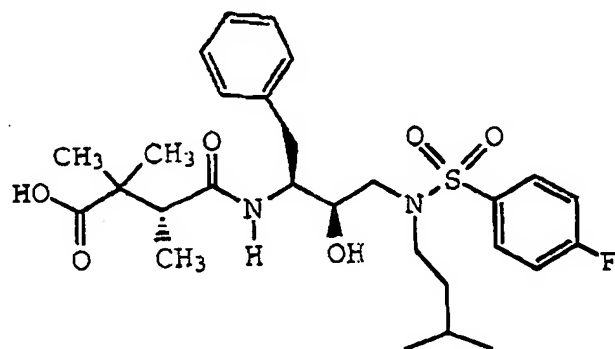
Butanediamide, N⁴-([2-hydroxy-3-((2-methylpropyl)(4-methoxyphenyl)sulfonyl)amino]-1-(phenylmethyl)propyl)-2,2,3-trimethyl-, [1S-[1R*(S*),2S*]]



Butanediamide, N⁴-[2-hydroxy-3-[(3-methylbutyl)(4-fluoro phenylsulfonyl)amine]-1-(phenylmethyl)propyl]-2,2,3-trimethyl-, [1S-[1R*(S*),2S*]]-



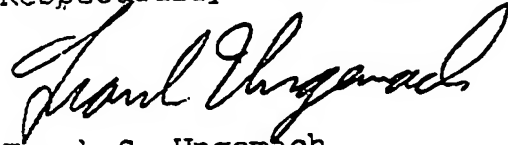
Butanoic acid, 4-[[2-hydroxy-3-[(3-methylbutyl)(4-fluoro phenylsulfonyl)amino]-1-(phenylmethyl)propyl]amino]-2,2,3-trimethyl-4-oxo, phenylmethyl ester, [1S-[1R*(S*),2S*]]-



Butanoic acid, 4-[[2-hydroxy-3-[(3-methylbutyl)(4-fluoro phenylsulfonyl)amino]-1-(phenylmethyl)propyl]amino]-2,2,3-trimethyl-4-oxo-, [1S-[1R*(S*),2S*]]-

Please let me know if I may be of further assistance.

Respectfully submitted,



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